LFILE - Dynamic Specification of Logical File

This Natural profile parameter is for:

- mainframes
- UNIX/OpenVMS and Windows

It dynamically specifies information concerning the physical file to be associated with any logical file.

Mainframes

Possible settings	database ID, FNR and, if applicable, password and cipher key	System file location.
Default setting	none	
Dynamic specification	YES	This parameter can only be specified dynamically.
Specification within session	NO	

This parameter can be used for Software AG products which have their own system files (for example, Con-nect, Natural Elite) to specify where such a system file is to be located. These products use database ID "255" and a logical file number (FNR) in their DDMs. With the LFILE parameter you specify which physical database ID (DBID) and file number (and, if applicable, password and cipher key) are associated with that logical file number.

LFILE can also be used to define a so-called scratch-pad file with logical file number "212"; see also the profile parameter ROSY and refer to Natural Scratch-Pad File.

The LFILE parameter is specified as follows:

```
LFILE=(logical-FNR,physical-DBID,physical-FNR,password,cipher-key,RO)
```

The logical file number must be in the range from 1 to 251. The DBID must be in the range from 0 to 254, or 256 to 65535. The physical file number must be in the range from 1 to 65535. The password must be a setting of 1 to 8 characters. The cipher key must be a setting of 8 characters.

"RO" indicates that the file is "read-only" and is only specified if modifications on the file are to be disabled.

Natural records the physical file information and uses it for any Adabas calls to:
DBID=255,FNR=*logical-FNR*

The LFILE parameter can be specified several times to specify different logical files.

The LFILE parameter corresponds to the NTFILE Macro, which can be specified in the Natural parameter module (NATPARM).

UNIX/OpenVMS and Windows

Possible settings	see text
Default setting	none
Dynamic specification	YES
Specification within session	NO

LFILE can be used for Software AG products which have their own system files to specify where such a system file is to be located. Such products use database ID "255" and a logical file number (FNR) in their DDMs. With the LFILE parameter you specify which physical database ID (DBID), file number (FNR), password and cipher key are associated with this logical file number.

Password and Cipher Key

Password and cipher key must be settings of 1 to 8 characters. They are only required if the file has been password-protected and/or ciphered using the Adabas security feature.

Since the Adabas security feature expects the password to be in uppercase, it must be specified in uppercase letters.

> **Note:**
> With FNAT and FUSER, the password and the cipher key are reserved for future use; currently they are ignored.

The LFILE parameter is specified as follows:

```
LFILE=(logical-ID,DBID,FNR,password,cipher-key)
```

The logical ID must in the range from 1 to 251, the physical database ID must be in the range from 0 to 65535 (except 255), the physical file number must be in the range from 1 to 5000, the password and cipher key must be settings of 1 to 8 characters.

Natural records the physical file information and uses it for any Adabas calls to:

```
DBID=255,FNR=logical-ID
```

The LFILE parameter can be specified several times so as to specify different logical files. Natural administrators can specify LFILE up to 255 times; other users can specify LFILE up to 8 times. A list of existing LFILE assignments is displayed in the "LFILE No" list box.